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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of inventor Freire

Serial No. 09/950,047   Group Art Unit: NA

Filed: 09/12/2001   Examiner: NA

For: *"STRUCTURAL PREDICTION OF ALLOSTERISM"*

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'JUL 2 5 2002

PETITIONS OFFICE

Assistant Commissioner for Patents
Washington, D.C. 20231
FACSIMILE: 703-308-6916

RENEWED PETITION IN RESPONSE TO DECISION DISMISSING PETITION

Dear Sir:

This renewed petition is in response to a Decision Dismissing Petition mailed on July 17, 2002. The facts of the case are as follows:

1. The original Petition was submitted in response to a Notice of Omitted Item(s) from the USPTO which advised Applicants that page 17 appeared to have been omitted from the application as filed.

2. The original Petition alleged that page 17 was in fact submitted with the application as filed, and presented a postcard receipt acknowledging receipt by the USPTO of 21 pages of application at filing.

3. In the Decision, it was stated that the evidence presented in the original Petition was convincing and that the petition would normally be granted. However, a copy of the subject page 17 was not found.

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09/950,047

4. According to the instructions in the Decision, Applicant herewith submits a copy of page 17 from Applicant's file. Applicant requests that page 17 be associated with the above-referenced US patent application.

5. The undersigned declares that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent resulting therefrom.

No fee is submitted herewith since the Decision indicated that the renewed petition would be free, and further, that the amount of $130.00 would be credited to petitioner's deposit account.
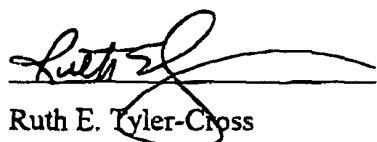
Respectfully submitted,

Ruth E. Tyler-Cross
Reg. No. 45,922

703-787-9400

I hereby certify that I am transmitting a **Renewed Petition** plus "page 17" for Application Serial No.: *09/950,047* containing *three (3)* pages total (two pages Petition, one page 17) to the U.S. Patent Office of Petitions at 703-*308-6916* on *July 25, 2002.*

Ruth E. Tyler-Cross

Reg. No. 45,922

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stretch of amino acids connects the regulatory and active sites and correlates their behavior.

While the invention has been described in terms of its preferred embodiments, those skilled in the art will recognize that the invention can be practiced with modification within the spirit and scope of the appended claims. Accordingly, the present invention should not be limited to the embodiments as described above, but should further include all modifications and equivalents thereof within the spirit and scope of the description provided herein.

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REFERENCES

Freire, E. (1997). The statistical thermodynamic linkage between conformational and binding equilibrium. *Adv. Prot. Chem. 51*, 255-279.

10   Freire, E. (1999). The Propagation of Binding Interactions to Remote Sites in Proteins. Analysis of the Binding of the Monoclonal Antibody D1.3 to Lysozyme. Proc. *Natl. Acad. Sci (USA) 96*, 10118-10122.

Hilser, V. J. & Freire, E. (1996). Structure based calculation of the equilibrium folding pathway of proteins. Correlation with hydrogen exchange protection factors. *J. Mol. Biol.*
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Luque, I, Mayonga, O.L. and Freire, E. (1996) Structure-based thermodynamic scale of α-helix propensities in amino acids. *Biochemistry 35*, 13681-13688.

Luque, I. & Freire, E. (1998). A system for the structure-based prediction of binding affinities and molecular design of peptide ligands. *Methods. Enzymol. 295*, 100-127.

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